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together face to face a large number of men who had known each other by reputation for years, but who had not previously met, and it afforded such an opportunity for comparing the different forms of microscopes as does not often occur."

During the year communications have been presented by Dr. J. Gibbons Hunt, "On the Potato Fungus," "On the Study of Embryonal Tissue," "On Aleurone," "On The Lasso Cells of *Physalis Caravella*," by Dr. J. H. McQuillen, "On *Sporendonema musca*," by Dr. Carl Seiler, "On an Economical Helio-stat," "On a New Cement for Glycerin Mountings," "On a Novel Method of Silver Staining with the Iodine and Bromine Compounds," by Prof. T. G. Wormley, of Columbus, Ohio, "On Improved Double Slides of Red Blood Corpuscles," by Dr. H. Allen, "In regard to Microscopic Changes in Mucous Membranes after Topical Medication," by Mr. J. Zentmayer, "On the Improved Large American Microscope," by Mr. W. H. Walmsly, "On the Double Staining of Vegetable Tissue," by Mr. D. S. Holman, "On a New Form of Life Slide," and by Dr. J. G. Richardson, "On the *Amphiuma* (or *Muranopsis*) *tridactylum*."

All of which is respectfully submitted,

JOS. G. RICHARDSON,

Recorder.

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#### REPORT OF THE RECORDER OF CONCHOLOGICAL SECTION.

The Recorder of the Conchological Section respectfully reports that the malacological papers accepted by the Academy, and published in its Proceedings during 1876, aggregate 26 pages, as follows:—

Wm. G. Binney, 10 pages.	C. A. White, 7 pages.
Wm. H. Dall, 4 "	T. A. Conrad, 2 "
R. E. C. Stearns, 2 "	W. G. Mazyck, 1 "

A valuable paper entitled "Description of a Collection of Fossils made by Dr. Raimondi in Peru," by Wm. M. Gabb, and fully illustrated, is also in course of publication in the Journal of the Academy.

For a list of donations to the library, see report of the Librarian of the Academy.

The principal donation to the museum was the fine collection of

the late John S. Phillips by bequest. Of this valuable acquisition, 2584 specimens have been labelled and mounted in 938 trays. Few of these are specific novelties, but they add either to the varieties or the geographical suites. It is estimated that an equal number may be added from portions of this cabinet not yet examined. The aggregate of specimens labelled and mounted during the year is 2913 specimens in 1104 trays.

At its November meeting the Section appropriated \$235.00 for fitting glass sashes in the drawers beneath the shell cases. When this work is completed, the collection will occupy a total space of 4765 square feet, or more than two and a half times as much as that occupied in the old building.

The officers of the Section for 1877 are—

<i>Director</i>	.	.	.	W. S. W. Ruschenberger.
<i>Vice-Director</i>	.	.	.	William M. Gabb.
<i>Recorder</i>	.	.	.	S. Raymond Roberts.
<i>Secretary</i>	.	.	.	E. R. Beadle.
<i>Treasurer</i>	.	.	.	William L. Mactier.
<i>Librarian</i>	.	.	.	Edward J. Nolan.
<i>Conservator</i>	.	.	.	Geo. W. Tryon, Jr.

The following is a list of donations to the Conchological Cabinet, taken from the Report of the Conservator of the Section:—

*Avicula*, from the South Sea Islands. Presented by Dr. W. H. Jones, U. S. N.

*Physa gyrina*, Say. From Watkins Glen, N. Y. Presented by John H. Cooper.

Eleven species of *Unio*, *Anodonta*, *Etheria*, *Iridina*, and *Monocondylæa*. From Cambodia, the Nile, and New Caledonia. Presented by S. S. Haldeman.

*Helix Van Nostrandii*, Augusta, Georgia, and six species of *Bulinus* and *Cylindrella*. Presented by Thos. Bland.

Group of Eggs of *Ampullaria depressa*, Say. From Florida. Presented by Joseph Willcox.

The collection of shells of the late John S. Phillips, comprising about 2500 species, together with the cases containing the same. Bequeathed by him.

Oyster shell with eggs attached. Presented by C. M. Hyatt.

Twenty-seven specimens of *Helix rareguttata*, Mouss. Java.

Four specimens of *Helix puella*, Brod.; five *H. pulcherrima*, Sowb.; and six *H. argillacea*, Fer., Timor, Philippines. Presented by Mr. Gregory.

Fifty species of European shells, and thirty-eight types of Mühlfeldt's Genera of Mollusca. From Dr. I. Lea.

*Helix ænigma*, Dohrn. From New Granada. Presented by Thos. Bland.

Six species of shells. From Samoan Islands. Presented by J. M. Emanuel.

Two specimens of *Vivipara lineata*, Val.; *Pupa contracta*, Say; *P. armigera*, Say; and *Conulus chersina*, Say. From Davenport, Iowa. Presented by D. S. Sheldon.

Several specimens of *Cypræa moneta*. From Rutgers College in exchange.

Eggs of *Loligo punctata*, DeKay; specimens of nidus of *Natica*; *Ilyanassa obsoleta*, Say; *Natica duplicata*, Say; *Mya arenaria*, Lin.; *Macra solidissima*, Ch., and seven other species. From Atlantic City, N. J. Presented by Geo. W. Tryon, Jr.

Eight specimens of *Hemimacra solidissima*, Chemn. From Atlantic City, N. J. Presented by Geo. W. Tryon, Jr.

Ten specimens of *Helix terrestris*, Ch. From Charleston, S. C. Presented by G. Mazyck.

Three specimens of *Microphysa Ingersolli*, Bland, Animas Valley, So. Colorado. Two *Pupilla alticola*, Ingersoll, Howardsville, Colorado. Presented by Ernest Ingersoll.

Two specimens *Dædalochila avara*, Say. From St. John's River, Fla. Two *Liostracus Dormani*, W. G. Binney, from Florida. Two *Helix Cumberlandiana*, Lea. From University Place, Franklin Co., Tenn. Presented by Chas. Duey.

Fifteen species of Marine Shells, from Santo Domingo and Turks Island, W. I. Presented by Wm. M. Gabb.

Respectfully submitted,

S. R. ROBERTS, *Recorder*.

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#### REPORT OF THE CONSERVATOR OF ENTOMOLOGICAL SECTION.

In presenting this, the first annual Report of the Entomological Section of your Academy, the conservator of the same feels that it is difficult to render full justice to the Section at this time. The